

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/003670

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N27/20 G01N27/02 G01N27/24 A61B5/053 G06T11/00  
 G01F1/74 G06F9/38

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N A61B G06T G01F G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	G. P. LUCAS: "Measurement of the solids volume fraction and velocity distributions in solid-liquid flows using dual-plane electrical resistance tomography" FLOW MEASUREMENT AND INSTRUMENTATION, vol. 10, 1999, pages 249-258, XP008040707 page 250, left-hand column, last paragraph - page 252, left-hand column	1,2,4-7, 9-11,19, 23-26
Y	US 4 298 936 A (SHAPIRO GERALD N) 3 November 1981 (1981-11-03)  column 1, line 5 - line 9 column 1, line 32  ----- -/--	1,2,4-7, 9-11,19, 23-26

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

20 December 2004

Date of mailing of the international search report

30/12/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 438 488 A (SHIBAYAMA SHIGEKI ET AL) 20 March 1984 (1984-03-20) column 3, line 23 - line 29 column 10, line 23 - line 24 -----	1
A	US 5 311 878 A (BROWN BRIAN H ET AL) 17 May 1994 (1994-05-17) column 1, line 31 - column 2, line 51 -----	1
A	B. S. HOYLE: "design and application of a multi-modal process tomography system" MEASUREMENT SCIENCE AND TECHNOLOGY, vol. 12, 2001, pages 1157-1165, XP008040617 abstract -----	1
A	M. WANG: "characterization of gas-water flow using electrical resistance imaging" 11TH INTERNATIONAL CONFERENCE ON MULTIPHASE 03, 13 June 2003 (2003-06-13), pages 595-604, XP008040620 ITALY page 598 -----	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/003670

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4298936	A	03-11-1981	NONE	
US 4438488	A	20-03-1984	JP 1209730 C	29-05-1984
			JP 56004862 A	19-01-1981
			JP 58040214 B	03-09-1983
			DE 3071832 D1	02-01-1987
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